

Db 97 WIFLVLGL---LMLAV---SWAMDYIAAVCQ-----Q 125
 QY 162 OWKWAELITGQABPGPSVY-MNYIMYFWALFAFLAVSLVKFAPYACGSGPEIKI 220
 Db 126 QW-----MSRLNTNLQQLAWVTPWVLTFSAGFTQILAPQAVGSGIPEMKT 176
 QY 221 LSGTITRGKWLMIKTTLAVASGLSLKREGPLVHACCCGNI---FSYLPKVS 277
 Db 177 LRGVVKLEYLTKTFVAKVIGLTLQVLTFSAGFTQILAPQAVGSGIPEMKT 236
 QY 278 TNEAKKREVLUSAAGAAGVSAFGAPEGVLSLEEVSYPLKLMRSFAALVAFLR 337
 Db 237 ENESRNTMLAACAVGVGCCFAAPIGVLFSTVSTFFAVRNWRCGFFAATFSAFR 296
 QY 338 SI---NPGFNSRLVLFYVYHT---PWYLFELFPLPILGVFGGLGMAFFIRAN---IACRR 390
 Db 297 VLAVWNROEETITALKFTRPFLDQPLPAVIGTASGGALFVYLNKIVQMR 356
 QY 391 RKST-----KCKYPVLEVIWVIAITAVIAFPNPYRNLSELI-KELFTDCGPLESS 442
 Db 357 KOKTINRELMKRMKLLPFLVPLTLLSLT---FPPGFGOMAGQLSQKETLV----- 404
 QY 443 SLCYRNNDNASKVDDPDRPAGIVSIAWQ-----LCLALIFKLMVFTFGIKPS 493
 Db 405 TLFENRTWVHQG-LVEDL---GAPTSQAWSPRANVFLTVFLMFKWMSALATTI 458
 QY 494 KVPSGLFIPSMAIGAAGIAGVIGVIAVEQAY---HHDWF1FKEWCEVGADCTPGLYA 548
 Db 459 PVPGAFMPVFTGAAFGRLVG---ESMAWFPDGFHDSSTYR-----IVPGYTA 506
 QY 549 MVGAAACLGAVTROMSLVWVFLIGGLEIVPLMAMTSKVGDAFREGGYEAIHR 608
 Db 507 VVGAALAGAVTH-TVSTAVTVEFLTGQIAHLLPMVIAVLANVAQSL-QPSLSDSTIR 564
 QY 609 LNGYPFLDAKEEFTTTLADVMPPRNRDNPPLAVLTODMTVDDIENMINETSYNGFVYI 668
 Db 565 IKKIPYLPELGWGHQHQVVRVEDIMVRDVPHAL---SCTFRDLRALTHKRGMLALV 621
 QY 669 MSKISQRYVGFAIRDLTIA---IESARKKREGVINGVSSRVEFAQHPSLPAESP--- 719
 Db 622 ESPPSMLG-SIERSQVALLGQSPARRHO---MOKLRAQMSPPSDQESPPSSE 676
 QY 720 -----RELK-----LSRI--- 727
 Db 677 TSIKFQVNTEDSGPGAGHQTHKPLKPAKRGPSNATSIQEGTIGNMESAGTALSFCG 736
 QY 728 ----- 727
 Db 737 SPPFESTSELEKSESCDKRLKFRVRISSLASDDELEGMSPEELWEWQQLDEPVNFS 796
 QY 728 -LIMSPENVTDPMPETIVDIFKFLGIGROCLWTHNGRGLGITKKDI 773
 Db 797 CKIDPAPFOLVERTSLHKHTFSLLGVHDHAYVTSIGRLIGIVTKE 844
 RESULT 2
 US-08-883-102-1
 ; Sequence 1. Application US/08863102
 ; Patent No. 601828
 ; GENERAL INFORMATION:
 ; APPLICANT: Cappoletti, John
 ; TITLE OF INVENTION: Chemical Modification of Chloride Channels as a Treatment for Cystic Fibrosis and Other Diseases
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Jackie A. Zurcher,
 ; ADDRESS: Dinnmore & Shohl LLP
 ; STREET: 225 E. Fifth Street,
 ; CITY: Cincinnati
 ; STATE: Ohio
 ; COUNTRY: USA

21P. 45202
 COMPUTER READABLE FORM:
 COMPUTER TYPE: Diskette, 3.5 inch
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: WordPerfect 6.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/863, 102
 FILING DATE: 23-MAY-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Zucher, J. A.
 REGISTRATION NUMBER: 42,251
 REFERENCE/DOCKET NUMBER: 10738-12
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (513) 977-8141
 FAX: (513) 977-8141
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 898 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 FEATURE:
 NAME/KEY: Rabbit Gastric CIC-2
 US-08-863-102-1
 Query Match 15.5%; Score 646; DB 3; Length 898;
 Best Local Similarity 27.0%; Pred. No. 4.8e-60;
 Matches 220; Conservative 113; Mismatches 267; Indels 214; Gaps 30;
 Db 94 WIFLVLGL---LMLAV---SWAMDYIAAVCQ-----Q 122
 QY 102 WLWMLTGLGASGAGLAGLIDADDMTDLKREGICSLALWNHBOCCWGSNETFEERDKP 161
 Db 123 QW-----MSRLNTNLQQLAWVTPWVLTFSAGFTQILAPQAVGSGIPEMKT 173
 QY 162 OWKWAELITGQABPGPSVY-MNYIMYFWALFAFLAVSLVKFAPYACGSGPEIKI 220
 Db 174 LRGVVKLEYLTKTFVAKVIGLTLQVLTFSAGFTQILAPQAVGSGIPEMKT 236
 QY 278 TNEAKKREVLUSAAGAAGVSAFGAPEGVLSLEEVSYPLKLMRSFAALVAFLR 337
 Db 234 ENESRNTMLAACAVGVGCCFAAPIGVLFSTVSTFFAVRNWRCGFFAATFSAFR 296
 QY 338 SI---NPGFNSRLVLFYVYHT---PWYLFELFPLPILGVFGGLGMAFFIRAN---IACRR 390
 Db 294 VLAVWNROEETITALKFTRPFLDQPLPAVIGTASGGALFVYLNKIVQMR 353
 QY 391 RKST-----KCKYPVLEVIWVIAITAVIAFPNPYRNLSELI-KELFTDCGPLESS 442
 Db 354 KOKTINRELMKRMKLLPFLVPLTLLSLT---FPPGFGOMAGQLSQKETLV----- 404
 QY 443 SLCYRNNDNASKVDDPDRPAGIVSIAWQ-----LCLALIFKLMVFTFGIKPS 493
 Db 402 TLFENRTWVHQG-LVEDL-EPPTSQAWSPRANVFLTVFLMFKWMSALATTI 459
 QY 498 GLFTPSMAIGAAGIAGVIGVIAVEQAY---HHDWF1FKEWCEVGADCTPGLYA 552
 Db 460 GAFLPMPVFTGAAFGRLVG---ESMAWFPDGFHDSSTYR-----IVPGYAVGA 507
 QY 553 AACLGGVTRMTMVSILWVFLIGGLEIVPLMAMVMSKVGDAFREGGYEAIHRNGY 612
 Db 508 VVGAAAGAVTH-TVSTAVTVEFLTGQIAHLLPMVIAVLANVAQSL-QPSLSDIIRKKL 565
 QY 613 PFLDAKEEFTTTLADVMPPRNRDNPPLAVLTODMTVDDIENMINETSYNGFVMSKE 672
 Db 566 PYLPELGWGHQHQVVRVEDIMVRDVPHAL---SCTFRDLRALTHKRGMLALVESPE 622
 QY 673 SORLGFALRDLTATESA-----RKKREGVINGVTTGKRLV-----SSRVCF--- 707
 Db 623 SMULG-SIERTQVALLAQLSPARRRQKRRVAAHTSPSCQESPPSPETSVCFQVK 681

QY 99 WSGWLWVLTGLASALA-----GLID-TADWWMDL--KEGICLSALWYNH 142
 Db 104 ----FTVGFGTGAGFSAAIWQYESLKSRSVQSFQGKTRADWLSIRPOKEG----- 149
 QY 143 EDCCWGSNETTEFEERDKCPQWKWIAWLTIGQABEGPGSYIMNYFWALSAFLAVSLV 202
 Db 150 -----DFRKIEINKW-WNNLSDQKRTVTGITAANVLFCLWRV-PSLQRTMI 193
 QY 203 KVFPAPYACGSIGPEIKTILSGFIRGYLGKWTLMIKRITLVAVASOLSLGREGPLHV- 261
 Db 194 RYFTSNRASS-----VISNIV--SVVGK-----VATGRYKPSLGAAGAIMTVL 234
 QY 312 EWSYVFPKLTWRS 325
 Db 295 VVYHGEL--IWKN 306

RESULT 5
 Sequence 11, Application US/08737109
 GENERAL INFORMATION:
 APPLICANT: SLABAS, Antoni Ryszard
 APPLICANT: BRIGHT, Kieran Michael
 APPLICANT: FENTEM, Philip Anthony
 TITLE OF INVENTION: Plant Gene Specifying Acetyl Coenzyme A
 TITLE OF INVENTION: Carboxylase and Transformed Plants Containing Same
 NUMBER OF SEQUENCES: 32
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pillsbury Madison & Sutro, L.L.P.
 STREET: 1100 New York Avenue, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch diskette
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: MS Word

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/737,109
 FILING DATE: 21-OCT-1995
 CLASSIFICATION: 800
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/GB94/00846
 FILING DATE: 02-MAY-1994
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 765 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI SENSE: NO
 FRAGMENT TYPE: internal
 ORIGINAL SOURCE:
 ORGANISM: Brassica napus
 US-08-737-109-11.

Query Match 2.7%; Score 114.5; DB 4; Length 765;
 Best Local Similarity 20.6%; Pred. No. 0.0065;
 Matches 102; Conservative 54; Mismatches 168; Indels 171; Gaps 21;
 QY 319 IKTWLRSFFAAVAVFLRS--INPPGNSRVLVYVEYHTPWLFELPPF---ILL----- 369
 Db 81 LKSLYSPISEGTSIMPVERSPLNFG--MVAWSLEMSTP---EFPMGRKLIVAND 132

RESULT 6
 Sequence 5, Application US/08140729A
 Patent No. 5658782
 GENERAL INFORMATION:
 APPLICANT: Amarla, Susan G
 APPLICANT: Arriza, Jeffrey L
 TITLE OF INVENTION: Amino Acid Transporters and Uses
 NUMBER OF SEQUENCES: 17
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Allegretti & Witcoff, Ltd.
 STREET: 10 South Wacker Drive, Suite 3000
 CITY: Chicago
 STATE: IL
 COUNTRY: USA
 ZIP: 60606
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/140,729A
 FILING DATE: 20-OCT-1993
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: NO. 5658782man, Kevin E
 REGISTRATION NUMBER: 35,303
 REFERENCE/DOCKET NUMBER: 93,509
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312-715-1000
 TELEFAX: 312-715-1234
 TELEX: 910-221-5317
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 542 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

QY 370 ----GVFGGLMCAFTRANIACRERRKSTKFGKPYVLEVIVAAITAVIAFPNPYTRLN 424
 Db 133 VTFKAGSFGPREDAEFLAVELACPKK-----LPLITLA-----PNSGARLG 174
 QY 425 TSLIKEIIFTDCGPLESSLSDCYRNDNINASKTIVDDIDPRAGIVVYSAIWQCLALIFKI 484
 Db 175 VABEIKACF-----KVGVSDDEVSPENGQYIYLSPSPEDHARIG----- 211
 QY 485 IMPVFTFGIKVPSGLFIPSMAGATAGRIVGIAVEQL-----AV--YHHDW--FI 530
 Db 269 SGRIVTGIGAYLAPLGMRCIORLDOPIITGFSNLKULGREGVYSSHMQLGCPKIMGTNGV 328
 QY 560 TRTVVS-----LVVLFELTGGLEIVPL-----MAAVM-- 588
 Db 329 VHLTVSDLEGVSAILDLSIYPAYVGGLPLAPLDPPDRTRVYVPPNSCDPRAIAVG 645
 QY 589 ----TSKAVGDAAGREGIYEAHIRLNGPFPLAAKEEHTTLAADMVRPRRDPPPLAVLTO 433
 Db 389 NDNTGKWMGGIFDKNS-----FILELEGWARTVYV--RAKJGGIPVCEVAV 433
 QY 646 DNMTV-----DDIENMINETSYNGFVIMSKEQSQRVGFALRRDITIAESARK 694
 Db 434 ETOTVMQITAPDQGLOSHERVVVPQAGQWVFPDSAGKTAQALMDTRKSFHCLSLRTGEG 493
 QY 695 KORGIVESSRVRVFAQ 709
 Db 494 FQVGETFSKEYFRO 508

US-08-140-729A-5

Query Match 2.7%; Score 114; DB 1; Length 542;
 Best Local Similarity 19.5%; Pred. No. 0.0041; Matches 131; Conservative 92; Mismatches 214; Indels 236; Gaps 33;

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/546,666
 FILING DATE:
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/140,729
 FILING DATE: 20 OCT 1993
 ATTORNEY/AGENT INFORMATION:
 NAME: No. 57-6774ian, Kevin E
 REGISTRATION NUMBER: 35,303
 REFERENCE/DOCKET NUMBER: 93,509
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312-715-1000
 TELEFAX: 312-221-5234
 TELEX: 910-221-5317

INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 542 amino acids
 TYPE: amino acid
 TOPOLOGY: Linear
 MOLECULE TYPE: protein
 US-08-546-666-5

Query Match 2.7%; Score 114; DB 1; Length 542;

Best Local Similarity 19.5%; Pred. No. 0.0041; Matches 131; Conservative 92; Mismatches 214; Indels 236; Gaps 33;

QY 69 ERCKDKEHRHRRINSKRSKESWEMTSLYDW---SGWLWVLTGLASGALAGLIDIAADW 125
 Db 16 ERFOQGVKRILAKKK--VONITKEVVKSYLFRNAAFLVLTAVTIVGTING---- 65

QY 126 MTDLKEGICLSSLWVNHQCCWGSNETTEFERDKCPOWKWAEILIQQABCPGSYIMNYI 185
 Db 66 -----FTLR--PYRMSRE--VKYFSPGELMRL 92

QY 186 MTFWALSFATLAVSLV---KVFAPYACCGSGIPEKTIILSFGFLIRGLGKWTLMKTT 241
 Db 93 QMLVPLISSLVTGMAALDSKASKWECGAVWYVMTTIAVVI-----GII 140

QY 242 LVLYASVGL---SICKEGPKVHVAACCG----NIFSLFPKVSTNEAKK-- 283
 Db 141 IVIILHPGKGTRENHMREGKIVRVTADAFLDLIRNMNPNLVEACFKOFRKTYEKSFK 200

QY 284 ---REVLASASAAGVSAFG----APIGG----VLFSELEEVSYFPL 319
 Db 201 VPIQNETLVGAVINNSEAMETLRITEELVPGPSVGNALGLUVPSM--CFGFVI 257

QY 320 KTL----WFSFFAALVAFVLRSTINPGNRSRLVLYVEHTPWFELFPFIL---L 369
 Db 258 GNMKEQOQALREFFDLSNEIM-----RLAVIMMAYAPVGLFLIAGKIVEMEDM 307

QY 370 GVFGGIWLGAFFTRANLAWCRKSRKSTKFGKPKVPLEVITVAAVAFPNY--TRLN-- 424
 Db 308 GVIGG-----OLAMYTV--TVIGLILHAVILPFLVTRKPNW 346

QY 425 --TSELKELEFTDCPLESSL----CYRN--DMNASKIVDIDPDRAGIGVY-- 470
 Db 347 VFIGGLQQLTALGTSSATLPTFKCLEENNGVDKRVTRFV----LPVGATINMDG 401

QY 471 SAIWQCLALAKFKIMVFTFGIKVPSGLFIPMSMAIGATAGRIVGIAVEQLAYYHHDWFI 530
 Db 402 TALYB-ALAAIF--IAQVNNEFLNF-----GQITISITATA----- 435

QY 531 FKEWCEVGADCTPGLYAMGAACLGIVRMTSLLVVFELTFCGLEYIVPLMAV-- 587
 Db 436 -----ASIGA---GIPQAGLVTMVILTSVGLPTDDITLIAVDMF 474

QY 588 ---MTSKWVGDAGREGREGYEAHIRLNGPFELAKEEFTHTLAADVWRPRRNDDPPLAV 642
 Db 475 LDRRLRTTENVLGDSLG-AGIVE--HLSRHELKNDVEMGSVIBENEMK----KPYQL 525

QY 643 LTQDQNMVDDIEN 655
 Db 526 1AQDNETEKPIIDS 538

RESULT 7

US-08-546-666-5

; Sequence 5, Application US/08546666

; Patent No. 5776774

; GENERAL INFORMATION:

; APPLICANT: Ariza, Jeffrey L

; TITLE OF INVENTION: Amino Acid Transporters and Uses

; NUMBER OF SEQUENCES: 17

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Allegretti & Witcoff, Ltd

; STREET: 10 South Wacker Drive, Suite 3000

; CITY: Chicago

; STATE: IL

; COUNTRY: USA

; ZIP: 60605

; COMPUTER READABLE FORM:

; MEDIUM TYPE: FLOPPY disk

RESULT 8

US-08-916-745-5

US 643 LTQDMNTVDDIEN 655
 Sequence 5, Application US/08916745
 Patent No. 5840516
 GENERAL INFORMATION:
 APPLICANT: Amara, Susan G
 ATTORNEY/AGENT INFORMATION:
 NAME: No. 5840516man, Kevin E
 REGISTRATION NUMBER: 35,303
 REFERENCE/DOCKET NUMBER: 93,509
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312-715-1000
 TELEFAX: 312-715-1234
 TELEX: 910-221-5317
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 542 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

Query Match 2.7%; Score 114; DB 2; Length 542;
 Best Local Similarity 19.5%; Pred. No. 0.0041;
 Matches 131; Conservative 92; Mismatches 214; Indels 236; Gaps 33;

QY 08-916-745-5

QY 425 -TSEBLIKEFTDGGPPLSSL--CDYRN--DMNAKIVDDI
 QY 347 VF1GGLQQLALTAGTSSSATUPITFKCLEENNGVDKRVTFRV--
 QY 471 SALWQCLALIFKIMTVFTFGKIVPVSGLFIPMSMAIGAIAAGRIVGIA
 QY 588 -----MTSKWVGDAFGREGCIEYAHTRLNYCPFLDAKEEFTHTLAADD
 QY 475 LDRLRITTNVLGDSLIG-AGIVE--HLSRHELKNDVEMGNSVIEEN
 QY 643 LTQDMNTVDDIEN 655
 Db 526 IAQDNETEKPIIDS-538

RESULT 9

US-08-663-808-4

US 320 KTL-----WRSFFALVALFAVFLRSINPFGNSRLVLFYVHTPWYLL
 Sequence 4, Application US/08663808
 Patent No. 5912171
 GENERAL INFORMATION:
 APPLICANT: Amara, Susan G
 ATTORNEY/AGENT INFORMATION:
 NAME: No. 5912171man, Kevin E
 REGISTRATION NUMBER: 35,303
 REFERENCE/DOCKET NUMBER: 93,509
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312-715-1000
 TELEFAX: 312-715-1234
 TELEX: 910-221-5317
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 542 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

Query Match 2.7%; Score 114; DB 2; Length 542;
 Best Local Similarity 19.5%; Pred. No. 0.0041;
 Matches 131; Conservative 92; Mismatches 214; Indels 236; Gaps 33;

QY 08-916-745-5

QY 69 EKCKDRHRRRINSKKKESAWENTKSLYDAW---SGMLVLTGGLASGALAGLIDIAAD 125
 QY 16 ERFQFGVYRKRTLAKKK--VQNTIKEVVKSYLFRNAFVLTWAVIGTILG----- 65
 Db 66 -----FTRL--PRMSYRE--VAKYFFGELMRML 92

QY 186 MYIFWALSAFLAVLSS--KVFAPYAGGSCIPETKILSFIIRGYLGRWTLMIKIT 241
 QY 93 OMLVPLPLTISLVTGMAALDSKASGKWECAVGAVVYMMTTIHWVI-----GIL 140
 QY 242 IMLVAVASGL---SLGKEGGPLVHACCG-----NITFSYLFPKYSTNEAKK-- 283
 QY 141 IMLVILHPGKGTKENMREGKIVRVTADAFELDLIRNMNPNLVACEFKQFKTINYERSKP 200
 QY 284 -----REVLSAASAAGSVVAG-----APIGG-----VLFSELEEVSYFPL 319
 QY 201 VPIQANETLVLGVAVINNSEAMETLTRTELYPVPSAVNGNAGLVLVMS---CTGFV 257

Db 308 GVLGG-----OLAMYTV-TVVGULIHAVLVL
 Db 436 -----ASIGAA---GPOAGLVTVMVLTSGVGLPPL
 QY 588 -----MTSKWVGDAFGREGCIEYAHTRLNYCPFLDAKEEFTHTLAADD
 Db 402 TALYE-ALAIF--IAQVNNEFNE-----GQITIS
 QY 531 FKEWCEVGADCTPGLYANAGAACIIGGYTRMTVSLVWVFELTGGGL
 QY 471 SALWQCLALIFKIMTVFTFGKIVPVSGLFIPMSMAIGAIAAGRIVGIA
 QY 588 -----MTSKWVGDAFGREGCIEYAHTRLNYCPFLDAKEEFTHTLAADD
 Db 475 LDRLRITTNVLGDSLIG-AGIVE--HLSRHELKNDVEMGNSVIEEN
 QY 643 LTQDMNTVDDIEN 655
 Db 526 IAQDNETEKPIIDS-538

RESULT 9

US-08-663-808-4

Sequence 4, Application US/08663808
 Patent No. 5912171
 GENERAL INFORMATION:
 APPLICANT: Amara, Susan G
 ATTORNEY/AGENT INFORMATION:
 NAME: No. 5912171man, Kevin E
 REGISTRATION NUMBER: 35,303
 REFERENCE/DOCKET NUMBER: 93,509
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312-715-1000
 TELEFAX: 312-715-1234
 TELEX: 910-221-5317
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 542 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

Query Match 2.7%; Score 114; DB 2; Length 542;
 Best Local Similarity 19.5%; Pred. No. 0.0041;
 Matches 131; Conservative 92; Mismatches 214; Indels 236; Gaps 33;

QY 08-916-745-5

QY 69 EKCKDRHRRRINSKKKESAWENTKSLYDAW---SGMLVLTGGLASGALAGLIDIAAD 125
 QY 16 ERFQFGVYRKRTLAKKK--VQNTIKEVVKSYLFRNAFVLTWAVIGTILG----- 65
 Db 66 -----FTRL--PRMSYRE--VAKYFFGELMRML 92

QY 186 MYIFWALSAFLAVLSS--KVFAPYAGGSCIPETKILSFIIRGYLGRWTLMIKIT 241
 QY 93 OMLVPLPLTISLVTGMAALDSKASGKWECAVGAVVYMMTTIHWVI-----GIL 140
 QY 242 IMLVAVASGL---SLGKEGGPLVHACCG-----NITFSYLFPKYSTNEAKK-- 283
 QY 141 IMLVILHPGKGTKENMREGKIVRVTADAFELDLIRNMNPNLVACEFKQFKTINYERSKP 200
 QY 284 -----REVLSAASAAGSVVAG-----APIGG-----VLFSELEEVSYFPL 319
 QY 201 VPIQANETLVLGVAVINNSEAMETLTRTELYPVPSAVNGNAGLVLVMS---CTGFV 257

Db 308 GVLGG-----OLAMYTV-TVVGULIHAVLVL
 Db 436 -----ASIGAA---GPOAGLVTVMVLTSGVGLPPL
 QY 588 -----MTSKWVGDAFGREGCIEYAHTRLNYCPFLDAKEEFTHTLAADD
 Db 402 TALYE-ALAIF--IAQVNNEFNE-----GQITIS
 QY 531 FKEWCEVGADCTPGLYANAGAACIIGGYTRMTVSLVWVFELTGGGL
 QY 471 SALWQCLALIFKIMTVFTFGKIVPVSGLFIPMSMAIGAIAAGRIVGIA
 QY 588 -----MTSKWVGDAFGREGCIEYAHTRLNYCPFLDAKEEFTHTLAADD
 Db 475 LDRLRITTNVLGDSLIG-AGIVE--HLSRHELKNDVEMGNSVIEEN
 QY 643 LTQDMNTVDDIEN 655
 Db 526 IAQDNETEKPIIDS-538

RESULT 9

US-08-663-808-4

Sequence 4, Application US/08663808
 Patent No. 5912171
 GENERAL INFORMATION:
 APPLICANT: Amara, Susan G
 ATTORNEY/AGENT INFORMATION:
 NAME: No. 5912171man, Kevin E
 REGISTRATION NUMBER: 35,303
 REFERENCE/DOCKET NUMBER: 93,509
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312-715-1000
 TELEFAX: 312-715-1234
 TELEX: 910-221-5317
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 542 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

Query Match 2.7%; Score 114; DB 2; Length 542;
 Best Local Similarity 19.5%; Pred. No. 0.0041;
 Matches 131; Conservative 92; Mismatches 214; Indels 236; Gaps 33;

QY 08-916-745-5

QY 69 EKCKDRHRRRINSKKKESAWENTKSLYDAW---SGMLVLTGGLASGALAGLIDIAAD 125
 QY 16 ERFQFGVYRKRTLAKKK--VQNTIKEVVKSYLFRNAFVLTWAVIGTILG----- 65
 Db 66 -----FTRL--PRMSYRE--VAKYFFGELMRML 92

QY 186 MYIFWALSAFLAVLSS--KVFAPYAGGSCIPETKILSFIIRGYLGRWTLMIKIT 241
 QY 93 OMLVPLPLTISLVTGMAALDSKASGKWECAVGAVVYMMTTIHWVI-----GIL 140
 QY 242 IMLVAVASGL---SLGKEGGPLVHACCG-----NITFSYLFPKYSTNEAKK-- 283
 QY 141 IMLVILHPGKGTKENMREGKIVRVTADAFELDLIRNMNPNLVACEFKQFKTINYERSKP 200
 QY 284 -----REVLSAASAAGSVVAG-----APIGG-----VLFSELEEVSYFPL 319
 QY 201 VPIQANETLVLGVAVINNSEAMETLTRTELYPVPSAVNGNAGLVLVMS---CTGFV 257

RESULT 11
 US-08-546-661-5
 Sequence 5, Application US/08546661
 ;
 GENERAL INFORMATION:
 APPLICANT: Amara, Susan G
 APPLICANT: Ariza, Jeffrey L
 TITLE OF INVENTION: Amino Acid Transporters and Uses
 NUMBER OF SEQUENCES: 17
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Allegretti & Witcoff, Ltd.
 STREET: 10 South Wacker Drive, Suite 3000
 CITY: Chicago
 STATE: IL
 COUNTRY: USA
 ZIP: 60606
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/546,661
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/140,729
 FILING DATE: 20 Oct 1993
 ATTORNEY/AGENT INFORMATION:
 NAME: No. 5919699man, Kevin E
 REGISTRATION NUMBER: 35,303
 REFERENCE/DOCKET NUMBER: 93, 509
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312-715-1000
 TELEFAX: 312-715-1234
 TELEX: 910-221-5317
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 542 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ;
 US-08-546-661-5

Query Match 2.7%; Score 114; DB 2; Length 542;
 Best Local Similarity 19.5%; Pred. No. 0.0041;
 Matches 131; Conservative 92; Mismatches 214; Indels 236; Gaps 33;
 Qy 69 EKCKDRERHRRINSKKESAMEMTKSLYDAW--SGWLWLTGLASGALAGLIDIAADW 125
 Db 16 ERFOQCVKRITLAKKK--VONITKEVVKSYLFRNAFLVLTAVTGVTLG----- 65
 Qy 126 MTDLKEGIGCLSLALWYNEOCQWGSNETTEERDKCPQWKTWABLLIQAEQPSYIMVYI 185
 Db 66 -----FTLR--FPRMSYR--VWVFFPGELLMRML 92
 Qy 186 MYIFWALSEAFLAVSLV--KVFAPYACGSCSIPETKLTISCFITRQYLGKWLMIKIT 241
 Db 93 QMLVLPLITLSSLVGMAALDSKASGKWECAVWVYMTTITAVT-----GII 140
 Qy 242 LVLAVASGL---SLGKEGGLVHACCCG-----NIFSYLPPKYSTNEAKK-- 283
 Db 141 IIVLTHPGKGKTKENMIREGKIVRVTADAFLDLIRNMLNPNLVEACEFKQFKNVEKSF 200
 Qy 284 -----REVLVSAASAGVSVARG-----APIGG-----VLFSLKEVSYFPL 319
 Db 201 VPIQANETLVGAVINNSEAMETLRTITELVPUVPGSVNQVWALGLVVFMS--CFGFWI 257
 Qy 320 KTL-----WRSFFALVARVLRSLNPFGNSRLVLFYEVHTPWLFELFFPL---L 369

RESULT 12
 US-09-042-960-5
 Sequence 5, Application US/09042960
 ;
 Patent No. 5932424
 GENERAL INFORMATION:
 APPLICANT: Amara, Susan G
 APPLICANT: Ariza, Jeffrey L
 TITLE OF INVENTION: Amino Acid Transporters and Uses
 NUMBER OF SEQUENCES: 17
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Allegretti & Witcoff, Ltd.
 STREET: 10 South Wacker Drive, Suite 3000
 CITY: Chicago
 STATE: IL
 COUNTRY: USA
 ZIP: 60606
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/042,960
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/140,729
 FILING DATE: 20 Oct 1993
 ATTORNEY/AGENT INFORMATION:
 NAME: No. 5932429man, Kevin E
 REGISTRATION NUMBER: 35,303
 REFERENCE/DOCKET NUMBER: 93, 509
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312-715-1000
 TELEFAX: 312-715-1234
 TELEX: 910-221-5317
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 542 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ;
 US-09-042-960-5

Query Match 2.7%; Score 114; DB 2; Length 542;
 Best Local Similarity 19.5%; Pred. No. 0.0041;

APPLICATION NUMBER: US/09/198,650
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/140,729
FILING DATE: 20 OCT 1993
ATTORNEY/AGENT INFORMATION:
NAME: NO. 6020479 man, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 93,509
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-15-1000
TELEFAX: 312-715-1234
TELEX: 910-221-5317
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 542 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-198-650-5

Query Match 2.7%: Score 114: DB 3: Length 542:

RESULT 14
US-09-332-740-4
Sequence 4, Application US/09332740
PATENT NO. 6050307
GENERAL INFORMATION:
APPLICANT: Amara, Susan G
APPLICANT: Arriza, Jeffrey L
APPLICANT: Fairman, Wendy A
TITLE OF INVENTION: Amino Acid Transporters and Uses
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner & Allegretti, Ltd.
STREET: 10 South Wacker Drive, Suite 3000
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/332,740
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/663,808
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: No. 6050307man, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 93,509-C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
TELEX: 910-221-5317
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 542 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-332-740-4

Query Match 2.7%; Score 114; DB 3; Length 542;
Best Local Similarity 19.5%; Pred. No. 0.0041;
Matches 131; Conservative 19.5%; Pred. No. 0.0041;
Indels 236; Gaps 33;

QY 69 ERCKDRERHRHRRINSKKRKEAWEETKSLYDAA--SGWLWVWLTGLASGALAGLIDIAADM 125
Db 16 ERFOOGVVRKRLAKKK--WONITKEVVKSYLFRNAFLVLTAVTIVGTLG----- 65

QY 126 MTDLRREGICLALSALWNHNEQCGWGSNETTEFERDKCPOQWKWAELITQGQARGPGSYIMNY 185
Db 66 -----FTLRL--PYRMSYRE--VKYFSSPGELLMRML 92

QY 186 MYIFWALSAFLAVSLV--KVFAPYACCGSPEKTIISGFLITRGYLGKWTLMIKTT 241
Db 93 QMLVPLPLIISLYTGVMAALSKASKGKWECCAVVYIMTTIATVII 140

QY 242 LVLAVASGL---SLIGKEGFLVHVACCCG-----NIFSYLFPKYSTNEAKK-- 283
Db 141 IVIIHPGKGTKENMREGIKRVTAAFLDLRNMMLNPNLVEACFKGOKTNEYRSFK 200

QY 284 -----REVLSAASAAGVSVFQ-----APICG-----VLFSLVEESYYFL 319
Db 201 VPIQANETLYGAVINNVEAMETLRITEELVLPVPGSVNGVNAGLIUVFMSM---CFGFV 257

QY 320 KTL-----WRSFFAALVAFLVRSINPGNSRLVLFYVYHTPWFETFPFL---L 369

RESULT 15
US-09-042-913-5
Sequence 5, Application US/09042913
Patent No. 6074828
GENERAL INFORMATION:
APPLICANT: Amara, Susan G
APPLICANT: Arriza, Jeffrey L
TITLE OF INVENTION: Amino Acid Transporters and Uses
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Allegretti & Witcoff, Ltd.
STREET: 10 South Wacker Drive, Suite 3000
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,913
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/09/140,729
FILING DATE: 20 OCT 1993
ATTORNEY/AGENT INFORMATION:
NAME: No. 6074828man, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 93,509
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
TELEX: 910-221-5317
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 542 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-042-913-5

Query Match 2.7%; Score 114; DB 3; Length 542;
Best Local Similarity 19.5%; Pred. No. 0.0041;

	Matches	131;	Conservative	92;	Mismatches	214;	Indels	236;	Gaps	33;
Qy	69	ERCKDRERRRRNSKKEKESAWEMTKSLYDAN	---	SGWLWVWLTGIGASGALAGLIDIAADW	125					
Db	16	ERFOOGVRKRTLAKKK	-	VONITKEVKVSKYLFRAKFVLLVTVAVGTLG	65					
Qy	126	MTDLKEGICLUSALWYNHEQQCGSNETTEERDKCPCWQKWAELI	TIGQAEGPGSYIMNYI	185						
Db	66	-----	-----	FTLR	-----	-----	-----	-----	-----	-----
Qy	186	MYIFWALSFATLAVSLV	-	KVFAPYACGSGCIPETKTIUSGFIRGYLGKWTLMKTT	241					
Db	93	QMLVPLIISLUTGMAHDLKASGRWECGAVVYIMTTIAWV	-----	-----	-----	-----	-----	-----	-----	-----
Qy	242	LVLAVASGL	---	SLCKEGPLVHACCG	-----	-----	-----	-----	-----	-----
Db	141	IVIIHPGKGTKENMREGKTVRVTADAFDLDLRLNMLNPNLVEACFKOFNTNEYKRSFK	200	-----	-----	-----	-----	-----	-----	-----
Qy	284	-----	-----	-----	-----	-----	-----	-----	-----	-----
Db	201	VPIQANETLVGAVINNVESEAMETLRTIEELVPGPSVNGVNA	-----	-----	-----	-----	-----	-----	-----	-----
Qy	320	KTL	-----	-----	-----	-----	-----	-----	-----	-----
Db	258	GNNKEQGQALRBFEDSNEATM	-----	-----	-----	-----	-----	-----	-----	-----
Qy	370	GVFGGIWGAFFTRANIAWCRRKSTIFGKYPVLE	-----	-----	-----	-----	-----	-----	-----	-----
Db	308	GVIGG	-----	-----	-----	-----	-----	-----	-----	-----
Qy	425	--TSELIKELUTDCGPLESSL	-----	-----	-----	-----	-----	-----	-----	-----
Db	347	VFIGGLIQLQALITALG	-----	-----	-----	-----	-----	-----	-----	-----
Qy	471	SAIWQCLALIFKIMTVF	-----	-----	-----	-----	-----	-----	-----	-----
Db	402	TALYE-ALAATF	-	IAQVNINFELF	-----	-----	-----	-----	-----	-----
Qy	531	FEKECEVGA	-----	-----	-----	-----	-----	-----	-----	-----
Db	436	-----	-----	-----	-----	-----	-----	-----	-----	-----
Qy	588	-----	-----	-----	-----	-----	-----	-----	-----	-----
Db	475	LDRRLRTTINVIGDSL	-----	-----	-----	-----	-----	-----	-----	-----
Qy	643	LTOQDDNMIVDDIEN	655							
Db	526	-----	-----	-----	-----	-----	-----	-----	-----	-----
	538	1AQDNETEKPID								

Search completed: May 12, 2003, 15:06:41
Job time : 37 secs

